

I 1011. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for storing a marker value for each of said channel select designations, and means for retaining said channel select designations in a plurality of ordered cues;

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said control means including means for generating, at the selection of the operator, a part of said first data set representative of the presence of said marker value associated with one of said channel select designations and one of said cues, and means for generating a third data set representative of a command to advance to a subsequent channel select designation within a selected one of said cues;

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said processor means, upon receipt of said first data set, causing said memory means to store any of said marker values associated with one of said channel select designations, and upon receipt of said third data set, reviewing the corresponding one of said cues to determine a next of said channel select designations to have one of said marker values associated therewith which corresponds to said cue, and generating said processor signal to correspond to said next channel select designation.

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12. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel

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tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for initially storing a channel select designation for each of said channel tuning designations which is identical thereto;

said operator-actuated control means including means for generating a memory clear signal;

said processor means including means for receiving said memory clear signal, and in response thereto, clearing said memory and restoring therein said channel select designation for each of said channel tuning designations which is identical thereto.

12
13. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

first operator-actuated control means for generating a first control output signal comprising a first data set representative of a desired channel select designation for one of said channel tuning designations;

distinct and remotely located from said first operator-actuated control means

second operator-actuated control means, for generating a second control output signal comprising a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said first and second control output signals from said first and second operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation.

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14. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

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memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

first operator-actuated control means for generating a first control output signal comprising a first data set representative of a desired channel select designation for one of said channel tuning designations;

means for receiving said first data set and causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation;

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distinct and remotely located from said first operator-actuated control means

second operator-actuated control means for generating a second control output signal comprising a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said second control output signal from said second operator-actuated control means, and upon receipt thereof, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation.

14
15. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for storing more than one of said channel select designations corresponding to a single one of said channel tuning designations.

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16. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-

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channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one marker bit for at least one of said channel tuning designations, for retaining said channel tuning designations in an ordered cue;

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operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said cue;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store any of said marker bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said cue, and upon receipt of said second data set, reviewing said cue to determine a next in order of said channel tuning designations to have one of said marker bits associated therewith, and generating said processor signal to correspond to said next channel tuning designation;

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said memory means including means for storing at least one channel tuning designations which have one of said marker bits associated therewith order bit for each of said channel select designations which comprises said means for retaining said channel select designations in said ordered cue;

^ channel tuning designations
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said processor means, upon receipt of said first data set, causing said memory means to store an order bit associated with ~~channel tuning designation which has one of said marker bits associated therewith~~ channel tuning designation ~~said channel select designation~~ corresponding to the respective place of said ~~channel select designation~~ within said cue, and upon receipt of said third data signal, determining said next of said ~~channel tuning designations which have one of said marker bits associated therewith~~ channel select designations by reviewing said order bits.

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11. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieving from said memory means the one of said channel tuning designations

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corresponding to said operator selected channel select designation,
and generating ^{channel tuning control} ~~said processor~~ signal to correspond to said one
channel tuning designation;

said memory means including means for initially storing a
channel select designation for at least one of said channel tuning
designations which is identical thereto.

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18. A television control system as defined in claim 17, wherein
said memory means includes means for storing, for a plurality of
said channel tuning designations, a channel select designation for
each of said plurality of channel tuning designations which is
identical thereto.

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19. A television control system as defined in claim 18, wherein
said multi-channel input includes a plurality of active channels,
said memory means including means for storing a channel select
designation for each of said active channels which is identical
thereto.

20. A system for controlling a television receiver capable of
tuning from a multi-channel input a television channel
corresponding to a preassigned channel tuning designation in
response to a channel tuning control signal, the system comprising:
memory means for storing at least one operator-assigned
channel select designation for at least one of said channel tuning
designations;

operator-actuated control means for generating a control output signal including a string of two or more label characters and comprising one of (a) a first data set representative at least in part of a desired channel select designation for one of said channel tuning designations, and (b) a second data set having as an initial character one of said label characters and representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to solely said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation.

19
21. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one marker/order bit for at

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least one of said channel tuning designations, for retaining said channel tuning designations in an ordered cue;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said cue;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store any of said marker/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said cue, and in response to said second data set, reviewing said cue to determine a next in order of said channel tuning designations to have one of said marker/order bits associated therewith, and generating said processor signal to correspond to said next channel tuning designation.

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22. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

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memory means for storing a marker value for at least one of said channel tuning designations, and means for retaining said channel tuning designations in a plurality of ordered cues;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker value associated with one of said channel tuning designations and one of said cues, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within a selected one of said cues;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store any of said marker values associated with one of said channel tuning designations, and in response to said second data set, reviewing the corresponding one of said cues to determine a next of said channel tuning designations to have one of said marker values associated therewith which corresponds to said cue, and generating said processor signal to correspond to said next channel tuning designation.

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23. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

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operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for storing a marker value for each of said channel select designations, and means for retaining said channel select designations in a plurality of ordered cues;

said control means including means for generating, at the selection of the operator, a part of said first data set representative of the presence of said marker value associated with one of said channel select designations and one of said cues, and means for generating a third data set representative of a command to advance to a subsequent channel select designation within a selected one of said cues;

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said processor means, in response to said first data set, causing said memory means to store any of said marker values associated with one of said channel select designations, and in response to said third data set, reviewing the corresponding one of said cues to determine a next of said channel select designations to have one of said marker values associated therewith which corresponds to said cue, and generating said processor signal to correspond to said next channel select designation.

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24. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning

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designated, and in response to said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for initially storing a channel select designation for each of said channel tuning designations which is identical thereto;

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said operator-actuated control means including means for generating a memory clear signal;

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said processor means including means for receiving said memory clear signal, and in response thereto, clearing said memory and restoring therein said channel select designation for each of said channel tuning designations which is identical thereto.

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25. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

first operator-actuated control means for generating a first control output signal comprising a first data set representative of a desired channel select designation for one of said channel tuning designations;

distinct and remotely located from said first operator-actuated control means
second operator-actuated control means for generating a second

control output signal comprising a second data set representative
of a desired viewing channel identified by an operator selected one
of said channel select designations;

processor means for receiving said first and second control
output signals from said first and second operator-actuated control
means, and in response to said first data set, causing said memory
means to store said desired channel select designation as
corresponding to said one channel tuning designation, and in
response to said second data set, retrieving from said memory means
the one of said channel tuning designations corresponding to said
operator selected channel select designation, and generating said
channel tuning control signal to correspond to said one channel
tuning designation.

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26. A system for controlling a television receiver capable of
tuning from a multi-channel input a television channel
corresponding to a preassigned channel tuning designation in
response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned
channel select designation for at least one of said channel tuning
designations;

first operator-actuated control means for generating a first
control output signal comprising a first data set representative of
a desired channel select designation for one of said channel tuning
designations;

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C means for receiving said first data set and causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation;

distinct and remotely located from said first operator-actuated control means
second operator-actuated control means for generating a second control output signal comprising a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said second control output signal from said second operator-actuated control means, and in response thereto, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation.

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27. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a

desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory means includes means for storing more than one of said channel select designations corresponding to a single one of said channel tuning designations.

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28. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one ^{marker} ~~marker~~ order bit for at least one of said channel tuning designations, for retaining said channel tuning designations in an ordered cue;

operator-actuated control means for generating a control

output signal comprising one of (a) a first data set representative of the presence of said ^{marker}~~marker~~/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said cue;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store any of said ^{marker}~~marker~~/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said cue, and in response to said second data set, reviewing said cue to determine a next in order of said channel tuning designations to have one of said ^{marker}~~marker~~/order bits associated therewith, and generating said processor signal to correspond to said next channel tuning designation;

said memory means including means for storing at least one ~~channel tuning designations which have one of said marker bits associated therewith~~ order bit for each of said ^{channel tuning designations}~~channel select designations~~ which comprises said means for retaining said ~~channel select designations~~ in said ordered cue;

said processor means, in response to said first data set, causing said memory means to store an order bit associated with ~~channel tuning designation which has one of said marker bits associated therewith~~ said ~~channel select designation~~ corresponding to the respective ^{channel tuning designation}~~place of said channel select designation~~ within said cue, and in

response to said third data signal, determining said next of said ~~channel tuning designations which have one of said marker bits associated therewith~~ ~~channel select designations~~ by reviewing said order bits.

29. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

a memory adapted to store at least one operator-assigned channel select designation for at least one of said channel tuning designations;

an operator-actuated control device for generating a control output signal including a string of two or more label characters and comprising one of (a) a first data set representative at least in part of a desired channel select designation for one of said channel tuning designations, and (b) a second data set having as an initial character one of said label characters and representative of a desired viewing channel identified by an operator selected one of said channel select designations;

a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to solely said second data set, retrieves from said memory the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said channel tuning control signal to correspond to said one channel tuning designation.

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30. A system for controlling a television receiver capable of

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tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

a memory adapted to store at least one operator-assigned channel select designation for at least one of said channel tuning designations;

an operator-actuated control device for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

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a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieves from said memory the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said ^{channel tuning control} ~~processor~~ signal to correspond to said one channel tuning designation;

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said memory further being adapted to initially store a channel select designation for ^{at least one} ~~each~~ of said channel tuning designations which is identical thereto.

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21. In a television control system apparatus for selecting a

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television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

a tuner for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

a memory adapted to store at least one marker/order bit for at least one of said channel tuning designations, for retaining said channel tuning designations in an ordered cue;

an operator-actuated control device for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said cue;

a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory means to store any of said marker/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said cue, and in response to said second data set, reviews said cue to determine a next in order of said channel tuning designations to have one of said marker/order bits associated therewith, and generates said processor signal to correspond to said next channel tuning designation.

I 29 ~~22.~~ In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

a tuner for receiving said multi-channel input signal and tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

a memory adapted to store a marker value for at least one of said channel tuning designations, and for retaining said channel tuning designations in a plurality of ordered cues;

an operator-actuated control device for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker value associated with one of said channel tuning designations and one of said cues, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within a selected one of said cues;

C a processor that receives said control output signal from said operator-actuated control device, and ^{upon} ~~after~~ receipt of said first data set, causes said memory to store any of said marker values associated with one of said channel tuning designations, and upon receipt of said second data set, reviews the corresponding one of said cues to determine a next of said channel tuning designations to have one of said marker values associated therewith which corresponds to said cue, and generating said processor signal to correspond to said next channel tuning designation.

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~~23.~~ A system for controlling a television receiver capable of

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tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

a memory adapted to store at least one operator-assigned channel select designation for at least one of said channel tuning designations;

an operator-actuated control device for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieves from said ^{memory} ~~memory~~ means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said channel tuning control signal to correspond to said one channel tuning designation;

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wherein said memory further stores a marker value for each of said channel select designations, and retains said channel select designations in a plurality of ordered cues;

said control device further generating, at the selection of the operator, a part of said first data set representative of the

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presence of said marker value associated with one of said channel select designations and one of said cues, and generating a third data set representative of a command to advance to a subsequent channel select designation within a selected one of said cues;

said processor, in response to said first data set, causes
^{memory} said ~~memory means~~ to store any of said marker values associated
with one of said channel select designations, and in response to
said third data set, reviews the corresponding one of said cues to
determine a next of said channel select designations to have one of
said marker values associated therewith which corresponds to said
cue, and generates said processor signal to correspond to said next
channel select designation.

31
34. A system for controlling a television receiver capable of
tuning from a multi-channel input a television channel
corresponding to a preassigned channel tuning designation in
response to a channel tuning control signal, the system comprising:

a memory adapted to store at least one operator-assigned
channel select designation for at least one of said channel tuning
designations;

an operator-actuated control device for generating a control
output signal comprising one of (a) a first data set representative
of a desired channel select designation for one of said channel
tuning designations, and (b) a second data set representative of a
desired viewing channel identified by an operator selected one of
said channel select designations;

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a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieves from said memory the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory is adapted to initially store a channel select designation for each of said channel tuning designations which is identical thereto;

said operator-actuated control device being adapted to generate a memory clear signal;

wherein said processor receives said memory clear signal, and in response thereto, clears said memory and restores therein said channel select designation for each of said channel tuning designations which is identical thereto.

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35. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:
a memory adapted to store at least one operator-assigned channel select designation for at least one of said channel tuning designations;

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a first operator-actuated control device for generating a first control output signal comprising a first data set representative of a desired channel select designation for one of said channel tuning designations;

C distinct and remotely located from said first operator-actuated control means
a second operator-actuated control device for generating a

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second control output signal comprising a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

a processor that receives said first and second control output signals from said first and second operator-actuated control devices, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieves from said memory the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said channel tuning control signal to correspond to said one channel tuning designation.

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36. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation in response to a channel tuning control signal, the system comprising:

a memory adapted to store at least one operator-assigned channel select designation for at least one of said channel tuning designations;

an operator-actuated control device for generating a control

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output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

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a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store said desired channel select designation as corresponding to said one channel tuning designation, and in response to said second data set, retrieves from said memory the one of said channel tuning designations corresponding to said operator selected channel select designation, and generates said channel tuning control signal to correspond to said one channel tuning designation;

wherein said memory is adapted to store more than one of said channel select designations corresponding to a single one of said channel tuning designations.

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37. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

a tuner for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

a memory adapted to store at least one marker/order bit for at

least one of said channel tuning designations, for retaining said channel tuning designations in an ordered cue;

an operator-actuated control device for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said cue;

a processor that receives said control output signal from said operator-actuated control device, and in response to said first data set, causes said memory to store any of said marker/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said cue, and in response to said second data set, reviews said cue to determine a next in order of said channel tuning designations to have one of said marker/order bits associated therewith, and generates said processor signal to correspond to said next channel tuning designation;

said memory being adapted to store at least one order bit for each of said channel select designations which retains said channel select designations in said ordered cue;

wherein said processor, in response to said first data set, causes said memory to store an order bit associated with said channel tuning designation which has one of said marker bits associated therewith
channel select designation corresponding to the respective place of
channel tuning designation
said channel select designation within said cue, and in response to
channel tuning designations which have one of said marker bits associated therewith
said third data signal, determines said next of said channel select

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~~designations~~ by reviewing said order bits.

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38. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

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tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one operator-assigned channel select designation for each of a plurality of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said processor signal to correspond to

said one channel tuning designation;

wherein said memory means includes means for initially storing a channel select designation for each of said plurality of said channel tuning designations which is identical thereto;

said operator-actuated control means including means for generating a memory clear signal;

said processor means including means for receiving said memory clear signal, and in response thereto, clearing from said memory a selected one of said channel select designations and restoring therein said channel select designation for a corresponding one of said channel tuning designations which is identical thereto.

36
39. A system for controlling a television receiver capable of tuning from a multi-channel input a television channel corresponding to a preassigned channel tuning designation upon receipt of a channel tuning control signal, the system comprising:

memory means for storing at least one operator-assigned channel select designation for each of a plurality of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from

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said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said channel tuning control signal to correspond to said one channel tuning designation;

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wherein said memory means includes means for initially storing a channel select designation for each of said plurality of said channel tuning designations which is identical thereto;

said operator-actuated control means including means for generating a memory clear signal;

said processor means including means for receiving said memory clear signal, and in response thereto, clearing from said memory a selected one of said channel select designations and restoring therein said channel select designation for a corresponding one of said channel tuning designations which is identical thereto.

37
40. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing a marker value for at least one of said channel tuning designations, and means for retaining said channel tuning designations in a plurality of scroll sequences;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker value associated with one of said channel tuning designations and one of said scroll sequences, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within a selected one of said scroll sequences;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store any of said marker values associated with one of said channel tuning designations, and upon receipt of said second data set, reviewing the corresponding one of said scroll sequences to determine a next of said channel tuning designations to have one of said marker values associated therewith which corresponds to said scroll sequence, and generating said processor signal to correspond to said next channel tuning designation.

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41. A television control apparatus as defined in claim ³⁷40, wherein said control means further includes means for generating a scroll sequence selection signal corresponding to one of said scroll sequences, and wherein said processor means, upon receipt of said scroll sequence selection signal reviews the one of said scroll

sequences corresponding thereto.

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In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one marker/order bit for at least one of said channel tuning designations, for retaining said channel tuning designations in an ordered scroll sequence;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of the presence of said marker/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said scroll sequence;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store any of said marker/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said scroll sequence, and upon receipt of said second data set, reviewing said scroll sequence to determine a next in order of said channel tuning designations to have one of

said marker/order bits associated therewith, and generating said processor signal to correspond to said next channel tuning designation;

said memory means including means for storing at least one channel tuning designations which have one of said marker bits associated therewith order bit for each of said channel select designations which comprises said means for retaining said channel tuning designations in said ordered scroll sequence;

said processor means, upon receipt of said first data set, causing said memory means to store an order bit associated with channel tuning designation which has one of said marker bits associated therewith said channel select designation corresponding to the respective place of said channel select designation within said scroll sequence, and upon receipt of said third data signal, determining channel tuning designations which have one of said marker bits associated therewith said next of said channel select designations by reviewing said order bits.

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43. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one marker/order bit for at least one of said channel tuning designations, for retaining said channel tuning designations in an ordered scroll sequence;

operator-actuated control means for generating a control

output signal comprising one of (a) a first data set representative of the presence of said marker/order bit associated with one of said channel tuning designations, and (b) a second data set representative of a command to advance to a subsequent channel tuning designation within said scroll sequence;

processor means for receiving said control output signal from said operator-actuated control means, and in response to said first data set, causing said memory means to store any of said marker/order bits associated with one of said channel tuning designations corresponding to the respective place of said channel tuning designation within said scroll sequence, and in response to said second data set, reviewing said scroll sequence to determine a next in order of said channel tuning designations to have one of said marker/order bits associated therewith, and generating said processor signal to correspond to said next channel tuning designation;

said memory means including means for storing at least one channel tuning designations which have one of said marker bits associated therewith order bit for each of said channel select designations which comprises said means for retaining said channel select designations in said ordered scroll sequence;

said processor means, in response to said first data set, causing said memory means to store an order bit associated with channel tuning designation which has one of said marker bits associated therewith said channel select designation corresponding to the respective place of said channel select designation within said scroll sequence, and in response to said third data signal, determining said next of said channel select designations by reviewing said

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order bits.

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44. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning designation, the system apparatus comprising:

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

41
44. memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said processor signal to correspond to

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said one channel tuning designation;

wherein said memory means includes means for storing a marker value for each of said channel select designations, and means for retaining said channel select designations in a plurality of scroll sequences;

said control means including means for generating, at the selection of the operator, a part of said first data set representative of the presence of said marker value associated with one of said channel select designations and one of said scroll sequences, and means for generating a third data set representative of a command to advance to a subsequent channel select designation within a selected one of said scroll sequences;

said processor means, upon receipt of said first data set, causing said memory means to store any of said marker values associated with one of said channel select designations, and upon receipt of said third data set, reviewing the corresponding one of said scroll sequences to determine a next of said channel select designations to have one of said marker values associated therewith which corresponds to said scroll sequences, and generating said processor signal to correspond to said next channel select designation.

42
45. A television control system apparatus as defined in claim 8,
wherein:

said memory means further includes means for storing at least one operator-assigned channel select designation for at least one

of said channel tuning designations;

said control output signal further comprises one of (c) a third data set representative of a desired channel select designation for one of said channel tuning designations, and (d) a fourth data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

said processor means further, following receipt of said third data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and following receipt of said fourth data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said processor signal to correspond to said one channel tuning designation.

43
46. A television control system apparatus as defined in claim 45,
further comprising a display, and wherein:

said memory means further includes means for storing at least one operator-assigned display designation for at least one of said channel tuning designations;

said control output signal further comprises one of (e) a fifth data set representative of a desired display designation for one of said channel tuning designations;

said processor means further, following receipt of said fifth data set, causing said memory means to store said desired channel

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select designation as corresponding to said one channel tuning designation, and following receipt of said fourth data set, retrieving from said memory means the one of said display designations corresponding to said one channel tuning designation and causing said one display designation to be displayed on said display.

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47. A television control system apparatus as defined in claim 2, further comprising a display, and wherein:

said memory means further includes means for storing at least one operator-assigned display designation for at least one of said channel tuning designations;

said control output signal further comprises one of (c) a third data set representative of a desired display designation for one of said channel tuning designations;

said processor means further, following receipt of said third data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and further following receipt of said second data set, retrieving from said memory means the one of said display designations corresponding to said next channel tuning designation and causing said one display designation to be displayed on said display.

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48. In a television control system apparatus for selecting a television channel corresponding to a preassigned channel tuning

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designation, the system apparatus comprising:

a television screen;

tuner means for receiving a processor signal and a multi-channel input signal, and in response to said processor signal, tuning out all but one channel corresponding to a selected one of said preassigned channel tuning designations;

memory means for storing at least one operator-assigned channel select designation for at least one of said channel tuning designations;

operator-actuated control means for generating a control output signal comprising one of (a) a first data set representative of a desired channel select designation for one of said channel tuning designations, and (b) a second data set representative of a desired viewing channel identified by an operator selected one of said channel select designations;

processor means for receiving said control output signal from said operator-actuated control means, and upon receipt of said first data set, causing said memory means to store said desired channel select designation as corresponding to said one channel tuning designation, and upon receipt of said second data set, retrieving from said memory means the one of said channel tuning designations corresponding to said operator selected channel select designation, and generating said processor signal to correspond to said one channel tuning designation;

wherein said memory means includes means for storing a marker value for each of said channel select designations, and means for